

CORNELL NOTETAKING

<u>Key Words</u>	<u>Main Ideas/Supporting Ideas</u>
Use wheel for transportation	<ul style="list-style-type: none"> - used in Mesopotamia c. 3250 - possible 1st use to create pottery - used for easier movement of items like plough, carts, war chariots - used animals like donkey, oxen to pull
Improve pottery making process	<ul style="list-style-type: none"> - used kiln: oven that's enclosed to make brick & pottery - kiln can reach higher temperature -high temperature allows bricks & pottery to become more tough & hard vs. sun dried bricks
Produce large amount of copper and use to make tools and weapons	<ul style="list-style-type: none"> - stronger tools created by mixing copper & tin to make bronze - improved tool strength allow for making superior boats and land transportation (size, strength/ durability) -allow to trade to faraway places (India)
Irrigate fields	<ul style="list-style-type: none"> - first carried water from rivers to their fields - dug channels and canals (water ways) that let water pass from rivers to the fields
Study the stars	<ul style="list-style-type: none"> - priests predicted best times for tilling the fields and planting and harvesting crops - made a calendar that had two seasons: summer and winter - calendar was based on the phases of the moon; had twelve months of thirty days
Improve engineering skills	<ul style="list-style-type: none"> - used their understanding of mathematics to construct big temples and intricate systems of canals, dikes, and ditches - created a number system based of 60; used by mathematics & astronomers until the 1600s - used in the present day to measure angles and time
Create an effective number system	<ul style="list-style-type: none"> - clay tablets from c. 3 000 BCE show five barrels of oil depicted with the symbols for oil drawn five times - as cities grew the need for keeping track of economic activities rose - Sumerians created a system that separated the symbol from the quantity - this method would represent five barrels of oil by using the symbol for five and the symbol for oil - this system was particularly useful when handling large quantities
Connections and Reflections (Summary)	<p>In around 3250 BCE Mesopotamia was the first to use wheels for transportation. Later on, they used kilns to bake brick & pottery which made them more tough and hard. They were the first to have a system to carry water from rivers to their fields, they were also the first to study astronomy. They developed better engineering skills to build big temples and also develop an effective number</p>